



Manufactured in U.S.A. by:

SCI-PHARM



UNTIL[®]

Resin-Based Temporary Crown and Bridge Cement,
Eugenol-Free
Sci-Pharm Catalog No. 55-25

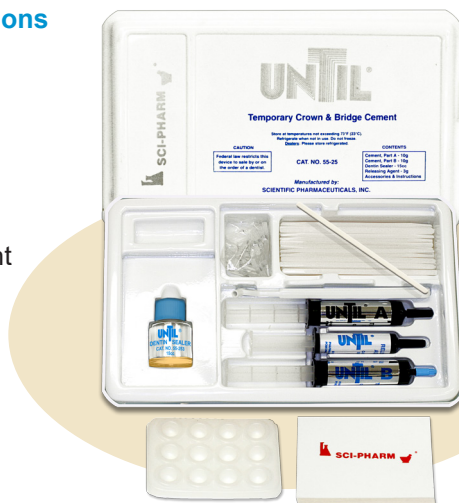
TECHNICAL BULLETIN Instructions



Eugenol-Free Temporary Crown and Bridge Cement

KIT CONTAINS:

- Cat. No. 55-251: Cement, Part A, 10g
- Cat. No. 55-252: Cement, Part B, 10g
- Cat. No. 55-253: Dentin Sealer, 15cc
- Cat. No. 55-254: Releasing Agent, 3g
- Accessories & Instructions



Cat. No. 55-25

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OUTSTANDING FEATURES OF THE MATERIAL

INDICATIONS FOR USE:

For use as a resin based temporary luting agent. Contains no Eugenol. Compatible with permanent restoratives and cements.

CONTRAINDICATIONS:

This product should not be used where patients have known hypersensitivity to methacrylate monomers. Do not apply to very sensitive teeth. For direct pulp exposure use a calcium hydroxide base to cap the pulp.

CAUTION: Dentin sealer contains flammable solvent.

- Excellent handling characteristics
- Good reproducibility of working time
- X-ray opacity
- Low irritation potential
- Negligible solubility
- Compatible with all commercially available permanent cements
- Low film thickness
- Well-balanced adhesive properties provide good prosthesis retention while allowing for trouble-free removal
- Excellent resistance to oral environment and mechanical strength assure good long-term performance, whenever desired

PROPERTIES OF CURED RESTORATIVE	
Property	Performance
Water Solubility	Negligible
Film Thickness	Below 20 μ
Hardness (Barcol)	40-42
Compressive Strength	69 MPa (10,000 PSI)
Diametral Tensile Strength	13.8 MPa (2,000 PSI)

STORAGE

Store at temperatures not exceeding 73°F (23°C). When stored under such conditions, the material has a shelf-life of eighteen months. Refrigerate when the material is not in use (for example, overnight and on weekends). When cold, the material has a stiffer consistency. For easier handling, remove from refrigeration at least 15 minutes prior to use.

CAUTION

GENERAL INFORMATION

Until® represents a new type of dental material specifically developed for use as a temporary luting agent. Its physical properties and handling characteristics were optimized for providing adequate working time, ease of placement and cleaning, and reliable performance, even in cases requiring extended service time.

Until® bonds to dentin and metals strongly enough to prevent marginal leakage and loss of retention, yet it allows for trouble-free removal. Good biocompatibility of this cement is expected to minimize post-operative discomfort.

Until® features a unique two-stage curing mechanism. In the first stage, the material achieves a consistency hard enough to hold the restoration in place, while allowing 60-80 seconds for easy removal of the excess.

Until® does not contain Eugenol. It was formulated for compatibility with all permanent crown and bridge cements presently in use.

APPLICATION

In case of direct pulp exposure, use a calcium hydroxide-type base to cap the pulp.

As with all synthetic cements which are hydrophobic by nature, it is imperative to disinfect and dry the preparation before cementing. The presence of moisture may result in inferior retention, possibility of microbial contamination, and post-operative sensitivity. Unless counter-indicated for the reason of proximity to the pulp, the removal of smear layer prior to cementing will further contribute to enhanced retention and greater integrity of the tooth/cement interface.

Treatment of the abutment for 30 seconds with antimicrobial solutions such as 2% sodium hypochlorite (NaOCl)* contributes to a lower incidence of post-operative sensitivity and prevents occasional abutment discoloration and odor due to microbial growth. On sensitive teeth and for patients with no known allergic reaction, sodium hypochlorite may be substituted with Erythromycin (250mg/5ml). Treatment with antimicrobial agents should be preceded by impression taking and followed by rinsing and drying.

On vital teeth, the use of *Until*® Dentin Sealer is indicated. Apply a thin layer over exposed dentin with a brush or cotton pledget. Wait 90 seconds before cementing. Dentin Sealer will provide an additional measure of pulp protection by sealing dentin tubulae: it is also expected to alleviate pain.

* 2% solution of sodium hypochlorite may be prepared by diluting commercial 5% hypochlorite bleach with water in a 4:6 ratio.

INSTRUCTIONS FOR CEMENTING

1. Dispense approximately equal amounts of Part A and Part B pastes onto a mixing pad.
2. Spatulate pastes thoroughly for 10 to 15 seconds.
3. Spread a thin layer of cement inside crown and then set the crown firmly. After 1 minute, trim excess.

Until® allows working time of two minutes at room temperature of approximately 73°F (23°C). Full cure will occur within 3 minutes after the material is exposed to body temperature. It should be remembered that working and setting times are temperature dependent, being longer at lower temperatures and shorter at higher temperatures.

HELPFUL HINTS

1. If desired, bonding strength to dentin may be reduced by applying a very thin layer of releasing agent over abutment. (This procedure is especially recommended for tight-fitting temporary restorations. If the restoration is intended to be recemented, the releasing agent should also be applied inside the restoration, in order to facilitate cleaning).
2. Occasionally, black stains may be observed on the abutment prepared for permanent cementation. They may be easily removed with a hydrogen peroxide solution.
3. When cured on a pad, a very thin layer of soft unpolymerized material is left on the surface exposed to air. This layer should not be confused with a failure of the cement to cure. Under a crown, this phenomenon is not observed because there is no exposure to polymerization inhibiting oxygen.



For technical information, call or write:



**Quality Management System Certified to
ISO 13485:2016**

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